Problems based on Multiplication

Example 1: The cost of a chair is Rs. 880. Find the cost of such 76 chairs?

Solution: Cost of a chair   = Rs. 880

               Cost of the such 76 chairs   = Rs. 880 × 76

                                     = Rs. 66880

Hence, the cost of 76 chairs is Rs. 66880.

Working:

$$
\begin{array}{r}
8\,8\,0 \\
\times \quad 7\,6 \\
\hline
5\,2\,8\,0 \\
+\ \ 6\,1\,6\,0\,0 \\
\hline
\mathbf{6\,6\,8\,8\,0} \\
\hline
\end{array}
$$

Example 2: Ram bought 486 packets of chocolates, and each packet contains 15 chocolates. How many chocolates does Ram have in total?

Solution: To find the total number of chocolates Ram has, we need to multiply the number of packets by the number of chocolates in each packet.

Number of packets: 486
Number of chocolates in each packet: 15

To calculate the total number of chocolates, we multiply the number of packets by the number of chocolates in each packet:

Total number of chocolates = Number of packets × Number of chocolates in each packet
Total number of chocolates = 486 × 15
Total number of chocolates = 7290

Hence, Ram has a total of 7290 chocolates.

Working:

```
        486
  ×      15
       2430
  +    4860
       7290
```